

## **DETAILED ACTION**

### ***Acknowledgements***

This action is in response to communications filed 09/15/2011. Claims 1-3, 7-19, 22-27, 29-34, 36, 38-39, 42-49, and 52 are currently pending. The information disclosure statements filed 6/30/2011 and 9/15/2011 have been received and considered. The supplemental reply filed on 10/19/2011 was not entered because supplemental replies are not entered as a matter of right except as provided in 37 CFR 1.111(a)(2)(ii). The supplemental reply is clearly not limited to placement of the application in condition for allowance.

### ***Response to Arguments***

Applicant's arguments filed 09/15/2011 (hereinafter Remarks) have been fully considered. Applicant argues that the combination of cited references does not teach or suggest the limitation(s): "directing receipt of a generic-recipient message by a network hub, wherein the generic-recipient message comprises a message sent to a group or community address".<sup>1</sup>

However, Outlook discloses sending an email message using named personal distribution lists. For example, Outlook describes the ability to create and name a distribution list (pg. 157). The list may be named "Gliders" (pg. 158-159) and an email may then be addressed to the group. Regarding the "generic-recipient message", applicant's specification recites:

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<sup>1</sup> Remarks, pg. 18 ¶ 1-4

(pg. 1:22 through pg. 2:4) The vast majority of the digital messaging communication is conducted on a person-to-person basis. For example, one individual sends another individual an email or an SMS communication or one individual initiates a cellular telephone call to another individual. Much more limited are the communication options for person-to-group, person-community, person-to-place or person-to-application communication. **This type of communication is also referred to herein as generic-recipient message, in which the user does not send the message to a specific individual but rather to a group, a community, a location or an application.**

Applying the broadest reasonable interpretation consistent with the specification, one of ordinary skill in the art would understand that Outlook's disclosure including sending email to a group address as in at least pg. 158-159 would be an example of sending a generic-recipient message comprising a message sent to a group or community address as recited in the contested claim language. Accordingly applicant's arguments cannot be held as persuasive in this regard.

Applicant further argues that the combination of cited references does not teach or suggest the limitation(s): "determining one or more recipients for the message based at least in part upon the determined type".<sup>2</sup> Applicant's arguments in this regard are persuasive, however, new grounds of rejection are provided below. The balance of applicant's arguments relies on matters addressed above.

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<sup>2</sup> Remarks, pg. 19 ¶ 1-4

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

**Claims 1-3, 7-9, 22-27, 36, 38-39, and 44 are rejected** under 35 U.S.C. 103(a) as being unpatentable over Microsoft Outlook 97 (hereinafter Outlook) in view of U.S. 7,171,190 to Ye et al ("Ye"), in view of U.S. 2005/0114453 to Hardt, and further in view of U.S. 6,912,398 to Domniz.

**Regarding claim 1,**

Outlook teaches a method comprising:

directing receipt of a generic-recipient message by a network hub, wherein the generic-recipient message comprises a message sent to a group or community address (pg. 86, 157-159, message sending using personal distribution list.);

determining predefined attributes of the message, wherein the predefined attributes comprise one or more of a sender of the message, subject of the message, or content of the message (pg. 86, 157-159, sender of the message is determined as messages are routed through the server.);

directing dispatch of the message to the one or more determined recipients (Outlook, pg. 157-159, email distributed based on distribution group membership.)

Outlook does not expressly disclose:

determining a type of communication medium of the message;

determining one or more recipients for the message based at least in part upon the determined type;

However, Ye discloses:

determining a type of communication medium of the message (col. 1:51-53, col. 5:4-7, 54-55, col. 6:34-36, message type is determined),

determining one or more recipients for the message based at least in part upon the determined type (col. 2:15-20, col. 5:5-13, 56-60, col. 6:34-36, recipient address determined based on message type).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Outlook to include the teachings of Ye. The motivation to do so would be that the teachings of Ye would be advantageous in terms of providing techniques for delivering messages with automatic device selection (Ye, col. 1:50-53).

114  
116 Outlook and Ye do not expressly disclose:

118 determining one or more recipients for the message further based at least in part  
120 upon the predefined attributes by comparing the predefined attributes of the  
message with stored information related to potential recipients

122 However, Hardt discloses:

124 determining one or more recipients for the message further based at least in part  
126 upon predefined attributes by comparing the predefined attributes of a message  
with stored information related to potential recipients ([0022], [0068], the  
message is routed to recipients based on analysis of the title or body of the  
128 message. Rule based processing is used in accordance with recipient addresses  
and user account information.).

130 It would have been obvious to one of ordinary skill in the art at the time of  
invention to combine the teachings of Hardt with the teachings of Outlook and Ye in  
132 order to route messages based on attributes of the message such as the title or the  
body to recipients with a specialization in a particular area (Hardt, [0068].).

134  
136 Outlook, Ye, and Hardt do not expressly disclose:

138 directing dispatch of the message to the one or more determined recipients by  
assigning recipient Radio Frequency identifiers, associated with a radio  
frequency tag or a radio frequency tag reader associated with a recipient of the  
140 message, to the message; and

142 dispatching the message when the radio frequency tag or radio frequency tag  
reader is placed in proximity to the network hub  
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146 However, Domnitz discloses:

148 directing dispatch of the message to the one or more determined recipients by  
assigning recipient Radio Frequency identifiers, associated with a radio  
frequency tag or a radio frequency tag reader associated with a recipient of the  
150 message, to the message (col. 4:56-67, col. 5:5-11, the abstract, col. 7:57-67 to  
col. 8:3, and figs. 1-2.), and

dispatching the message when the radio frequency tag or radio frequency tag reader is placed in proximity to the network hub (col. 5:7-11, email is dispatched to a person's PDA based upon RFID location. See col. 7:57-67 to col. 8:3. See col. 4:56-67, col. 5:5-11, the abstract, col. 7:57-67 to col. 8:3, and figs. 1-2.).

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine Outlook, Ye, Hardt, and Domnitz in order to dispatch messages based on a person's location (Domnitz, col. 3:24-37.).

**Regarding claim 22,**

Outlook discloses:

an apparatus comprising at least one processor and at least one memory storing computer program code (pg. 86, mail server),

wherein the at least one memory and stored computer program code are configured to, with the at least one processor, cause the apparatus to at least:

direct receipt of a generic-recipient message from one or more communication networks wherein the generic-recipient message comprises a message sent to a group or community address (pg. 86, 157-159, message sending using personal distribution list.);

determine predefined attributes of the generic-recipient message, wherein the predefined attributes comprise one or more of a sender of the message, subject of the message, or content of the message (pg. 86, 157-159, sender of the message is determined as messages are routed through the server.);

Outlook does not expressly disclose:

determining a type of communication medium of the message;

determining one or more recipients for the message based at least in part upon the determined type;

However, Ye discloses:

determining a type of communication medium of the message (col. 1:51-53, col. 5:4-7, 54-55, col. 6:34-36, message type is determined),

determining one or more recipients for the message based at least in part upon the determined type (col. 2:15-20, col. 5:5-13, 56-60, col. 6:34-36, recipient address determined based on message type).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Outlook to include the teachings of Ye. The motivation to do so would be that the teachings of Ye would be advantageous in terms of providing techniques for delivering messages with automatic device selection (Ye, col. 1:50-53).

Outlook and Ye do not expressly disclose:

determining one or more recipients for the message further based at least in part upon the predefined attributes by comparing the predefined attributes of the message with stored information related to potential recipients

However, Hardt discloses:

determining one or more recipients for the message further based at least in part upon the predefined attributes by comparing the predefined attributes of the message with stored information related to potential recipients ([0022], [0068], the message is routed to recipients based on analysis of the title or body of the message. Rule based processing is used in accordance with recipient addresses and user account information.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine the teachings of Hardt with the teachings of Outlook and Ye in order to route messages based on attributes of the message such as the title or the body to recipients with a specialization in a particular area (Hardt, [0068].).

Outlook, Ye, and Hardt do not expressly disclose:

224 directing dispatch of the message to the one or more determined recipients by  
226 assigning recipient Radio Frequency identifiers, associated with a radio  
frequency tag or a radio frequency tag reader associated with a recipient of the  
message, to the message; and  
228  
230 dispatching the message when the radio frequency tag or radio frequency tag  
reader is placed in proximity to the network hub

232 However, Domnitz discloses:

234 directing dispatch of the message to the one or more determined recipients by  
236 assigning recipient Radio Frequency identifiers, associated with a radio  
frequency tag or a radio frequency tag reader associated with a recipient of the  
message, to the message (col. 4:56-67, col. 5:5-11, the abstract, col. 7:57-67 to  
238 col. 8:3, and figs. 1-2.), and  
240 dispatching the message when the radio frequency tag or radio frequency tag  
reader is placed in proximity to the network hub (col. 5:7-11, email is dispatched  
242 to a person's PDA based upon RFID location. See col. 7:57-67 to col. 8:3. See  
col. 4:56-67, col. 5:5-11, the abstract, col. 7:57-67 to col. 8:3, and figs. 1-2.).  
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It would have been obvious to one of ordinary skill in the art at the time of the  
246 invention to combine Outlook, Ye, Hardt, and Domnitz in order to dispatch messages  
based on a person's location (Domnitz, col. 3:24-37.).

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**Regarding claim 36,**

250 Outlook discloses a non-transitory computer-readable storage medium carrying one or  
more sequences of one or more instructions which, when executed by one or more  
252 processors, cause an apparatus to at least perform the following steps:

254 directing storage of information related to potential message  
recipients (pg. 86);  
256  
258 directing receipt of a generic-recipient message by a network hub and  
determining predefined attributes associated with the generic-recipient message,



wherein the generic-recipient message comprises a message sent to a group or community address (pg. 86, 157-159, message sending using personal distribution list.),

wherein the predefined attributes comprise one or more of a sender of the message, subject of the message, or content of the message (pg. 86, 157-159, sender of the message is determined as messages are routed through the server.);

Outlook does not expressly disclose:

determining a type of communication medium of the message;

determining one or more recipients for the message based at least in part upon the determined type;

However, Ye discloses:

determining a type of communication medium of the message (col. 1:51-53, col. 5:4-7, 54-55, col. 6:34-36, message type is determined),

determining one or more recipients for the message based at least in part upon the determined type (col. 2:15-20, col. 5:5-13, 56-60, col. 6:34-36, recipient address determined based on message type).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Outlook to include the teachings of Ye. The motivation to do so would be that the teachings of Ye would be advantageous in terms of providing techniques for delivering messages with automatic device selection (Ye, col. 1:50-53).

Outlook and Ye do not expressly disclose:

determining one or more recipients for the message further based at least in part upon the predefined attributes by comparing the predefined attributes of the message with stored information related to potential recipients

However, Hardt discloses:

determining one or more recipients for the message further based at least in part upon the predefined attributes by comparing the predefined attributes of the message with stored information related to potential recipients ([0022], [0068], the message is routed to recipients based on analysis of the title or body of the message. Rule based processing is used in accordance with recipient addresses and user account information.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine the teachings of Hardt with the teachings of Outlook and Ye in order to route messages based on attributes of the message such as the title or the body to recipients with a specialization in a particular area (Hardt, [0068].).

Outlook, Ye, and Hardt do not expressly disclose:

directing dispatch of the message to the one or more determined recipients by assigning recipient Radio Frequency identifiers, associated with a radio frequency tag or a radio frequency tag reader associated with a recipient of the message, to the message; and

dispatching the message when the radio frequency tag or radio frequency tag reader is placed in proximity to the network hub

However, Domnitz discloses:

directing dispatch of the message to the one or more determined recipients by assigning recipient Radio Frequency identifiers, associated with a radio frequency tag or a radio frequency tag reader associated with a recipient of the message, to the message (col. 4:56-67, col. 5:5-11, the abstract, col. 7:57-67 to col. 8:3, and figs. 1-2.), and

dispatching the message when the radio frequency tag or radio frequency tag reader is placed in proximity to the network hub (col. 5:7-11, email is dispatched to a person's PDA based upon RFID location. See col. 7:57-67 to col. 8:3. See col. 4:56-67, col. 5:5-11, the abstract, col. 7:57-67 to col. 8:3, and figs. 1-2.).

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine Outlook, Ye, Hardt, and Domnitz in order to dispatch messages based on a person's location (Domnitz, col. 3:24-37.).

**Regarding claim 25,**

Outlook discloses:

wherein the at least one memory and stored computer program code are configured to, with the at least one processor, cause the apparatus to direct dispatch of the message by directing dispatch of the message to one or more determined recipients via a communication network (pg. 86, mail server)

**Regarding claim 26,**

Outlook discloses:

wherein the communication network includes either a data network, a Short Message Service network, a Multimedia Message Service (MMS) network and or a telephony network (pg. 86, data network)

**Regarding claim 2,**

Outlook discloses:

wherein directing receipt of a generic-recipient message by a network hub further comprises directing receipt of a generic-recipient message, that includes either a Short Message Service message, a Multimedia Message Service, message, an electronic mail message or voice message (pg. 55, 97, email).

Outlook does not expressly disclose:

wherein determining a type communication medium of the message comprises determining whether the message comprises a Short Message Service, a Multimedia Message Service, electronic mail message, or voice message

However, Ye discloses:

wherein determining a type communication medium of the message comprises determining whether the message comprises a Short Message Service, a Multimedia Message Service, electronic mail message, or voice message (fig. 4, col. 1:51-53, col. 5:4-7, 54-55, col. 6:34-36).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Outlook to include the teachings of Ye. The motivation to do so would be that the teachings of Ye would be advantageous in terms of providing techniques for delivering messages with automatic device selection (Ye, col. 1:50-53).

**Regarding claim 9,**

Outlook discloses:

wherein directing dispatch of the message to one or more recipients further comprises directing transmission of the message to one or more recipients via a communication medium that includes either short-range wireless communication, Internet communication, SMS communication, or MMS communication (pg. 86, 157-159)

**Regarding claim 38,**

Outlook discloses:

wherein directing receipt of a generic-recipient message by a network hub further comprises directing receipt of a generic-recipient message, that includes either a Short Message Service message, a Multimedia Message Service, (MMS) message, an electronic mail message or voice message (pg. 55, 97, email).

Outlook does not expressly disclose:

wherein determining a type communication medium of the message comprises determining whether the message comprises a Short Message Service, a Multimedia Message Service, electronic mail message, or voice message

However, Ye discloses:

wherein determining a type communication medium of the message comprises determining whether the message comprises a Short Message Service, a Multimedia Message Service, electronic mail message, or voice message (fig. 4, col. 1:51-53, col. 5:4-7, 54-55, col. 6:34-36).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Outlook to include the teachings of Ye. The motivation to do so would be that the teachings of Ye would be advantageous in terms of providing techniques for delivering messages with automatic device selection (Ye, col. 1:50-53).

**Regarding claim 44,**

Outlook discloses:

wherein directing dispatch of the message to one or more recipients further comprises directing transmission of the message to one or more recipients via a communication medium that includes either short-range wireless communication, Internet communication, SMS communication, or MMS communication (pg. 86, 157-159)

**Regarding claim 7,**

Domnitz teaches:

wherein directing dispatch of the message to one or more recipients further comprises directing display of the message on a display (fig. 1-2, col. 4:45-51, abstract, col. 8:10-20.).

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine Outlook, Ye, Hardt, and Domnitz in order to dispatch messages based on a person's location (Domnitz, col. 3:24-37.).

**Regarding claim 8,**

Domnitz teaches:

wherein the display is associated with the radio frequency identifier (col. 5:7:-11, 30-50, fig. 1-2, displays associated with radio frequency identifiers, laptop, pda.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine wherein the display is associated with the radio frequency identifier as taught by Domnitz with Outlook, Ye, and Hardt to provide information to individuals based on their time and location (Domnitz, abstract, 5:30-50.).

**Regarding claim 27,**

Domnitz teaches:

further comprising a display associated with the apparatus that is configured to, under the direction of the at least one memory and stored computer program code, display a message associated with the Radio Frequency identifiers (col. 5:7:-11, 30-50, fig. 1-2, displays associated with radio frequency identifiers, laptop, pda; col. 4:45-51, col. 8:10-20.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine wherein the display is associated with the radio frequency identifier as taught by Domnitz with Outlook, Ye, and Hardt to provide information to individuals based on their time and location (Domnitz, abstract, 5:30-50.).

**Regarding claim 3, and 39.**

Domnitz teaches:

wherein directing receipt of a generic-recipient message at a network hub further comprises directing receipt of a message by a wireless network hub (fig. 1.).

It would have obvious to one of ordinary skill at the time of the invention to include receiving a generic-recipient message at a wireless network hub with the teachings of Outlook, Ye, Hardt, and Domnitz since incorporating wireless technology amounts to applying a known technique to a known device ready for improvement to yield predictable results (e.g. wireless transmission of messages). See MPEP 2141.

**Regarding claim 23.**

Domnitz discloses:

wherein the at least one memory and stored computer program code are configured to, with the at least one processor, cause the apparatus to direct dispatch of the message by directing dispatch of the message to one or more determined recipients via lower power RF (Domnitz, fig. 1.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine Outlook, Ye, Hardt, and Domnitz in order to provide information to individuals based on their time and location (Domnitz, abstract, 5:30-50.).

**Regarding claim 24.**

Domnitz discloses:

wherein the at least one memory and stored computer program code are configured to, with the at least one processor cause the apparatus to direct dispatch of the message directing dispatch of the message to one or more determined recipients by directing dispatch of the message to one or more determined recipients via a digital cellular network (fig. 3. See also col. 7:30-46.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine Outlook, Ye, Hardt, and Domnitz in order to provide information to individuals based on their time and location (Domnitz, abstract, 5:30-50.).

**Claims 10-19, 29-34, 45-49, and 52 are rejected** under 35 U.S.C. 103(a) as being unpatentable over Outlook, Ye, Domnitz, and further in view of U.S. 2005/0149622 to Kirkland et al (hereinafter Kirkland).

**Regarding claim 10,**

Outlook teaches a method for prioritizing a generic recipient message at a network hub, the method comprising:

directing receipt of a generic-recipient message by a network hub, wherein the generic- recipient message is comprises a message sent to a group or community address (pg. 86, 157-159, message sending using personal distribution list.);

determining predefined attributes of the message, wherein the predefined attributes comprise one or more of a sender of the message, subject of the message, or content of the message (pg. 86, 157-159, sender of the message is determined as messages are routed through the server.);

Outlook does not expressly disclose:

determining a type of communication medium of the message

However, Ye discloses



determining a type of communication medium of the message (col. 1:51-53, col. 5:4-7, 54-55, col. 6:34-36, message type is determined),

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Outlook to include the teachings of Ye. The motivation to do so would be that the teachings of Ye would be advantageous in terms of providing techniques for delivering messages with automatic device selection (Ye, col. 1:50-53).

Outlook and Ye do not expressly disclose:

determining whether the message has priority based at least in part on the predefined attributes by comparing the predefined attributes of the message with pre- stored priority information; and prioritizing the message when a determination is made that the message has priority.

However, Kirkland discloses:

determining whether the message has priority based at least in part on the predefined attributes by comparing the predefined attributes of the message with pre- stored priority information; and prioritizing the message when a determination is made that the message has priority (abstract, [0009-0010], priority level of a message is determined according to the subject of the message and the messages is delivered and displayed to the recipient according to the priority level.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine determining whether the message has priority based at least in part on the predefined attributes by comparing the predefined attributes of the message with pre- stored priority information; and prioritizing the message if a determination is made that the message has priority as taught by Kirkland with the method of Outlook and Ye in order to determine message priority based on the subject of the message (Kirkland, abstract, fig. 7.).

Outlook, Ye, and Kirkland do not expressly disclose:

determining to dispatch the prioritized message when a recipient-assigned Radio Frequency identifier associated with a radio frequency tag or a radio frequency tag reader associated with a recipient of the message is placed in proximity to the network hub.

However, Domnitz discloses:

determining to dispatch the prioritized message when a recipient-assigned Radio Frequency identifier associated with a radio frequency tag or a radio frequency tag reader associated with a recipient of the message is placed in proximity to the network hub (col. 5:7-11, email is dispatched to a person's PDA based upon RFID location. See col. 7:57-67 to col. 8:3. See col. 4:56-67, col. 5:5-11, the abstract, col. 7:57-67 to col. 8:3, and figs. 1-2.).

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine Outlook, Ye, Kirkland, and Domnitz in order to dispatch messages based on a person's location (Domnitz, col. 3:24-37.).

**Regarding claim 29,**

Outlook teaches an apparatus comprising at least one processor and at least one memory storing computer program code (pg. 86), wherein the at least one memory and stored computer program code are configured to, with the at least one processor, cause the apparatus to at least:

direct receipt of a generic-recipient message from one or more communication networks wherein the generic-recipient message comprises a message sent to a group or community address (pg. 86, 157-159, message sending using personal distribution list.);

determine predefined attributes of the received generic-recipient message,

wherein the predefined attributes comprise one or more of a sender of the message, subject of the message, or content of the message (pg. 86, 157-159);

Outlook does not expressly disclose:

determining a type of communication medium of the message

However, Ye discloses

determining a type of communication medium of the message (col. 1:51-53, col. 5:4-7, 54-55, col. 6:34-36, message type is determined),

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Outlook to include the teachings of Ye. The motivation to do so would be that the teachings of Ye would be advantageous in terms of providing techniques for delivering messages with automatic device selection (Ye, col. 1:50-53).

Outlook and Ye do not expressly disclose:

determine whether the message has priority based at least in part on the determined type and on the predefined attributes by comparing the predefined attributes of the message with pre-stored priority information;

However, Kirkland discloses:

determine whether the message has priority based at least in part on the determined type and on the predefined attributes by comparing the predefined attributes of the message with pre-stored priority information (abstract, [0009-0010], priority level of a message is determined according to the subject of the message and the messages is delivered and displayed to the recipient according to the priority level.)

It would have been obvious to one of ordinary skill in the art at the time of invention to combine determining whether the message has priority based at least in

part on the predefined attributes by comparing the predefined attributes of the message with pre- stored priority information; and prioritizing the message if a determination is made that the message has priority as taught by Kirkland with the method of Outlook and Ye in order to determine message priority based on the subject of the message (Kirkland, abstract, fig. 7.).

Outlook, Ye, and Kirkland do not expressly disclose:

determine to dispatch the prioritized message when a recipient-assigned Radio Frequency identifier associated with a radio frequency tag or a radio frequency tag reader associated with a recipient of the message is placed in proximity to the one or more communication networks

However, Domnitz discloses:

determine to dispatch the prioritized message when a recipient-assigned Radio Frequency identifier associated with a radio frequency tag or a radio frequency tag reader associated with a recipient of the message is placed in proximity to the one or more communication networks (col. 5:7-11, email is dispatched to a person's PDA based upon RFID location. See col. 7:57-67 to col. 8:3. See col. 4:56-67, col. 5:5-11, the abstract, col. 7:57-67 to col. 8:3, and figs. 1-2.).

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine Outlook, Ye, Kirkland, and Domnitz in order to dispatch messages based on a person's location (Domnitz, col. 3:24-37.).

**Regarding claim 45,**

Outlook discloses a non-transitory computer-readable storage medium comprising a computer readable storage medium having computer-readable program instructions embodied in the medium, the computer-readable program instructions comprising:

directing receipt of a generic-recipient message by a network hub and determining predefined attributes associated with the generic-recipient message, wherein the generic-recipient message comprises a message sent to a group or community address (pg. 86, 157-159, message sending using personal distribution list.),

wherein the predefined attributes comprise one or more of a sender of the message, subject of the message, or content of the message (pg. 86, 157-159);

Outlook does not expressly disclose:

determining a type of communication medium of the message

However, Ye discloses

determining a type of communication medium of the message (col. 1:51-53, col. 5:4-7, 54-55, col. 6:34-36, message type is determined),

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Outlook to include the teachings of Ye. The motivation to do so would be that the teachings of Ye would be advantageous in terms of providing techniques for delivering messages with automatic device selection (Ye, col. 1:50-53).

Outlook and Ye do not expressly disclose:

directing storage of information related to message priority;

determining whether the generic-recipient message has priority based at least in part on the determined type and on the predefined attributes by comparing the predefined attributes associated with the generic-recipient message to the stored information related to message priority;

However, Kirkland discloses:

directing storage of information related to message priority (abstract, [0009-0010]);

determining whether the genetic-recipient message has priority based at least in part on the determined type and on the predefined attributes by comparing the predefined attributes associated with the generic-recipient message to the stored information related to message priority (abstract, [0009-0010], priority level of a message is determined according to the subject of the message and the messages is delivered and displayed to the recipient according to the priority level.)

It would have been obvious to one of ordinary skill in the art at the time of invention to combine determining whether the message has priority based at least in part on the predefined attributes by comparing the predefined attributes of the message with pre- stored priority information; and prioritizing the message if a determination is made that the message has priority as taught by Kirkland with the method of Outlook and Ye in order to determine message priority based on the subject of the message (Kirkland, abstract, fig. 7.).

Outlook, Ye, and Kirkland do not expressly disclose:

dispatching the prioritized message when a recipient-assigned Radio Frequency identifier associated with a radio frequency tag or a radio frequency tag reader associated with a recipient of the message is placed in proximity to the network hub.

However, Domnitz discloses:

dispatching the prioritized message when a recipient-assigned Radio Frequency identifier associated with a radio frequency tag or a radio frequency tag reader associated with a recipient of the message is placed in proximity to the network hub (col. 5:7-11, email is dispatched to a person's PDA based upon RFID location. See col. 7:57-67 to col. 8:3. See col. 4:56-67, col. 5:5-11, the abstract, col. 7:57-67 to col. 8:3, and figs. 1-2.).

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine Outlook, Ye, Kirkland, and Domnitz in order to dispatch messages based on a person's location (Domnitz, col. 3:24-37.).

**Regarding claim 18,**

Outlook discloses:

wherein directing receipt of a generic-recipient message by a network hub further comprises directing receipt of a generic-recipient message, that includes either a Short Message Service message, a Multimedia Message Service, (MMS) message, an electronic mail message or voice message (pg. 55, 97, email).

Outlook does not expressly disclose:

wherein determining a type communication medium of the message comprises determining whether the message comprises a Short Message Service, a Multimedia Message Service, electronic mail message, or voice message

However, Ye discloses:

wherein determining a type communication medium of the message comprises determining whether the message comprises a Short Message Service, a Multimedia Message Service, electronic mail message, or voice message (fig. 4, col. 1:51-53, col. 5:4-7, 54-55, col. 6:34-36).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Outlook to include the teachings of Ye. The motivation to do so would be that the teachings of Ye would be advantageous in terms of providing techniques for delivering messages with automatic device selection (Ye, col. 1:50-53).

**Regarding claim 48,**

Outlook discloses:

wherein the directing receipt of a generic-recipient message by a network hub further comprises directing receipt of a generic-recipient message, that includes either a Short Message Service message, a Multimedia Message Service, (MMS) message, an electronic mail message or voice message (pg. 55, 97, email).

Outlook does not expressly disclose:

wherein determining a type communication medium of the message comprises determining whether the message comprises a Short Message Service, a Multimedia Message Service, electronic mail message, or voice message

However, Ye discloses:

wherein determining a type communication medium of the message comprises determining whether the message comprises a Short Message Service, a Multimedia Message Service, electronic mail message, or voice message (fig. 4, col. 1:51-53, col. 5:4-7, 54-55, col. 6:34-36).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Outlook to include the teachings of Ye. The motivation to do so would be that the teachings of Ye would be advantageous in terms of providing techniques for delivering messages with automatic device selection (Ye, col. 1:50-53).

**Regarding claims 19 and 49,**

Domnitz teaches:

wherein directing receipt of a generic-recipient message at a network hub further comprises directing receipt of a message by a wireless network hub (fig. 1.).

It would have obvious to one of ordinary skill at the time of the invention to include receiving a generic-recipient message at a wireless network hub with the



teachings of Outlook, Ye, Hardt, and Domnitz since incorporating wireless technology amounts to applying a known technique to a known device ready for improvement to yield predictable results (e.g. wireless transmission of messages). See MPEP 2141.

**Regarding claim 11,**

Kirkland discloses:

wherein the step of determining whether the message has priority based on the predefined attributes further comprises determining whether the message has display priority based on the predefined attributes (abstract, [0009-0010], fig. 8.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine Kirkland with Outlook, Ye, and Domnitz in order to determine message priority based on the subject of the message (Kirkland, abstract, fig. 7.).

**Regarding claim 12,**

Kirkland discloses:

wherein prioritizing the message when a determination is made that the message has priority further comprises prioritizing the display of the message when a determination is made that the message has display priority (abstract. See also, fig. 8.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine Kirkland with Outlook, Ye, and Domnitz in order to determine message priority based on the subject of the message (Kirkland, abstract, fig. 7.).

**Regarding claim 13,**

Kirkland discloses:

wherein prioritizing the display of the message when a determination is made that the message has display priority further comprises directing display of displaying the message in a prominent position on a display associated with the hub (abstract, fig. 8.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine Kirkland with Outlook, Ye, and Domnitz in order to deliver and display messages according to priority (Kirkland, abstract, fig. 7, [0009].).

**Regarding claim 14,**

Kirkland discloses:

wherein determining whether the message has priority based on the predefined attributes further comprises determining whether the message has dispatch priority based on the predefined attributes (abstract. See also, fig. 8. See also Outlook pg. 97.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine Kirkland with Outlook, Ye, and Domnitz in order to determine message priority base on subject or content (Kirkland, abstract, fig. 7, [0009].).

**Regarding claim 15,**

Kirkland discloses:

wherein prioritizing the message when a determination is made that the message has priority further comprises prioritizing the dispatch of the message when a determination is made that the message has dispatch priority (abstract, fig. 8. See also Outlook pg. 97.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine Kirkland with Outlook, Ye, and Domnitz in order to determine message priority base on subject or content (Kirkland, abstract, fig. 7, [0009].).

**Regarding claim 16,**

Kirkland discloses:

wherein prioritizing the dispatch of the message when a determination is made that the message has dispatch priority further comprises prioritizing the communication medium used to dispatch the message when a determination is made that the message has communication medium dispatch priority (abstract, fig. 8. See also Outlook pg. 97.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine Kirkland with Outlook, Ye, and Domnitz in order to determine message priority base on subject or content (Kirkland, abstract, fig. 7, [0009].).

**Regarding claim 17,**

Outlook teaches:

wherein the step of prioritizing the dispatch of the message if a determination is made that the message has dispatch priority further comprises the step of prioritizing the time of dispatch of the message if a determination is made that the message has time dispatch priority (Outlook, pg. 97, 100, timed delivery options.).

**Regarding claim 30,**

Kirkland discloses:

wherein the processor is further configured to at least one memory and stored computer program code are configured to, with the at least one processor, further

cause the apparatus to determine predefined attributes of the received generic-recipient message and compare the predefined attributes to pre-stored display priority information to determine if the received message requires display prioritization (abstract, fig. 8.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine Outlook, Ye, Kirkland, and Domnitz in order to determine message priority base on subject or content (Kirkland, abstract, fig. 7, [0009].).

**Regarding claim 31,**

Kirkland discloses:

further comprising a display associated with the apparatus that is configured to, under the direction of the at least one memory and stored computer program code, display message identifiers to one or more recipients (abstract, fig. 8. See also Outlook pg. 97.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine Outlook, Ye, Kirkland, and Domnitz in order to determine message priority base on subject or content as well as to display messages according to priority (Kirkland, abstract, fig. 7, [0009].).

**Regarding claim 32,**

Kirkland discloses:

wherein the processor is further configured to at least one memory and stored computer program code are configured to, with the at least one processor, further cause the apparatus to provide for display prioritization to be chosen from the group consisting of displaying prioritized messages first in a list of messages, displaying prioritized messages in a new viewable window and displaying prioritized messages in a highlighted form (abstract. See also, [0051], fig. 6, 8.).

It would have been obvious to one of ordinary skill in the art at the time of

invention to combine Outlook, Ye, Kirkland, and Domnitz in order to determine message  
priority base on subject or content as well as to display messages according to priority  
(Kirkland, abstract, fig. 7, [0009].).

**Regarding claim 33,**

Kirkland discloses:

wherein the processor is further configured to at least one memory and stored  
computer program code are configured to, with the at least one processor, further  
cause the apparatus to determine predefined attributes of the received generic-  
recipient message and compare the predefined attributes to pre-stored dispatch  
priority information to determine if the received message requires dispatch  
prioritization (abstract. See also, fig. 8.).

It would have been obvious to one of ordinary skill in the art at the time of  
invention to combine Outlook, Ye, Kirkland, and Domnitz in order to determine message  
priority base on subject or content as well as to display messages according to priority  
(Kirkland, abstract, fig. 7, [0009].).

**Regarding claim 34,**

Kirkland discloses:

wherein the processor is further configured to at least one memory and stored  
computer program code are configured to, with the at least one processor, further  
cause the apparatus to provide for dispatch prioritization to be chosen from the  
group consisting of prioritizing the time at which messages will be dispatched,  
prioritizing the communication medium used to dispatch messages and  
prioritizing the recipients of the dispatched messages (abstract. See also, fig. 8,  
[0051].).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine Outlook, Ye, Kirkland, and Domnitz in order to determine message priority base on subject or content as well as to display messages according to priority (Kirkland, abstract, fig. 7, [0009]).

**Regarding claim 46,**

Kirkland discloses:

wherein the directing storage of information related to message priority further comprise directing storage of information related to message display priority, and wherein the determining whether the generic-recipient message has priority further comprise determining whether the generic-recipient message has display priority by comparing the predefined attributes associated with the generic-recipient message to the stored information related to message display priority (abstract. See also, fig. 8. See also Outlook pg. 97.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine Outlook, Ye, Kirkland, and Domnitz in order to determine message priority base on subject or content as well as to display messages according to priority (Kirkland, abstract, fig. 7, [0009]).

**Regarding claim 47,**

Kirkland discloses:

wherein the directing storage of information related to message priority further comprise directing storage of information related to message dispatch priority, and wherein the determining whether the message has priority further comprise determining whether the message has dispatch priority by comparing the predefined attributes associated with the messages to the stored information related to message dispatch priority (abstract. See also, fig. 8. See also Outlook pg. 97.).

968 It would have been obvious to one of ordinary skill in the art at the time of  
invention to combine Outlook, Ye, Kirkland, and Domnitz in order to determine message  
970 priority base on subject or content as well as to display messages according to priority  
(Kirkland, abstract, fig. 7, [0009]).

972 **Regarding claim 52,**

974 Domnitz discloses:

976 further comprising displaying of the message on a display responsive to the radio  
frequency tag or radio frequency tag reader being placed in proximity to the  
978 network hub (col. 5:7-11, email is dispatched to a person's PDA based upon  
RFID location. See col. 7:57-67 to col. 8:3. See col. 4:56-67, col. 5:5-11, the  
980 abstract, col. 7:57-67 to col. 8:3, and figs. 1-2.).

982 It would have been obvious to one of ordinary skill in the art at the time of the  
invention to combine Outlook, Ye, Kirkland, and Domnitz in order to dispatch messages  
984 based on a person's location (Domnitz, col. 3:24-37.).

986 **Claim 42-43 are rejected** under 35 U.S.C. 103(a) as being unpatentable over  
Outlook, Ye, Hardt, Domnitz, and Kirkland.

988 **Regarding claim 42,**

990 Kirkland discloses:

992 wherein the directing dispatch of dispatching the message to one or more  
recipients further comprise directing display of displaying the message on a  
994 display associated with the network hub (abstract, fig. 8.).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine Outlook, Ye, Hardt, Domnitz, and Kirkland in order to deliver and display messages according to priority (Kirkland, abstract, fig. 7, [0009].).

**Regarding claim 43,**

Domnitz teaches:

wherein the directing display of the message on a display associated with the network hub further comprises fourth directing display of the message, which is associated with the Radio Frequency identifier, on a display associated with the network hub, wherein the recipient Radio Frequency identifier is associated with the radio frequency tag reader (fig. 1, email, PDA, pc, or cell phone display messages associated with a radio frequency identifier, col. 5:7-11, 30-50, fig. 1-2).

It would have been obvious to one of ordinary skill in the art at the time of invention to combine Outlook, Ye, Hardt, Kirkland, and Domnitz in order to provide information to individuals based on their time and location (Domnitz, abstract, 5:30-50.).



**CONCLUSION**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ryan Jakovac whose telephone number is (571)270-5003. The examiner can normally be reached on Monday through Friday, 7:30 am to 5:00 pm EST. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached on 571-272-2092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ryan Jakovac/  
Primary Examiner, Art Unit 2445